PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

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APR 2 2 1999 PCT

LOS ANGELES CA 90025

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

BLAKELY, SOKOLOFF, TAYLOR & ZAFR

Applicant's or agent's file reference 42390.P5113		(day/ month/year) 19 APR 1999	
		FOR FURTHER ACTION See paragraphs 1 and 4 below	
International application No. PCT/US98/27594		International filing date (day/month/year) 22 DECEMBER 1998	
Applicant INTEL CORPORATION			

1. X	The applicant is hereby notified that the international search report has been established and is transmitted herewith.
	Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
	When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.
	Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35
	For more detailed instructions, see the notes on the accompanying sheet.
2.	The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3.	With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
	the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
	no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4. Furt	her action(s): The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Authorized officer

TEMESGHEN GHEBRETINSAE

Telephone No. (703) 305-4777



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of	Transmittal of International Search Report				
42390.P5113	ACTION (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
PCT/US98/27594	22 DECEMBER 1998	05 JANUARY 1998				
Applicant INTEL CORPORATION						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. X It is also accompanied by a copy of each prior art document cited in this report.						
	•					
1. Certain claims were found unsearchable (See Box I).						
2. Unity of invention is lacki	ng (See Box II).					
The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing						
	filed with the international application.					
Ī	furnished by the applicant separately from the	international application,				
	but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.					
. 🗆	transcribed by this Authority.	7,				
4. With record to the side.	aka aana in aanaana da aa la in ah					
	the text is approved as submitted by the applicant.					
LX the text has been established by this Authority to read as follows: A METHOD FOR USING ENCODED SPREADING CODES TO ACHIEVE HIGH BIT DENSITIES IN A DIRECT-SEQUENCE						
5. With regard to the abstract,						
	the text is approved as submitted by the applica	ant.				
	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
6. The figure of the drawings to be published with the abstract is:						
Diaments 2h	as suggested by the applicant.					
 	because the applicant failed to suggest a figure	None of the figures.				
F	because this figure better characterizes the inve					

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/27594

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

A method for achieving high bit densities in a direct sequence spread spectrum communication system by using encoded spreading codes. An encoded pseudo noise code (213) is first created. This encoded pseudo noise code (213) is then used to spread an information signal (210) by modulating the information signal (210) with the encoded pseudo noise code (213). The same encoded pseudo noise code (213) is also used to demodulated the signal. The encoded pseudo noise code (213) is created by inverting one bit of a pseudo noise code (211) where the inverted bit corresponds to the value of the information signal.

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/27594

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A. CLASSIFICATION OF SUBJECT MATTER IPC(6) :H04B 1/707						
US CL According	:375/206 to International Patent Classification (IPC) or to be	th national classification and IPC				
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 375/206, 200, 208; 364/717.5, 717						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE						
APS	data base consulted during the international search (r		, search terms used)			
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.			
X	US 4,759,034 A (NAGAZUMI) 19 J	1-2,8				
Y ·			3,5,6			
X	US 4,972,480 A (ROSEN) 20 Novem	1-2,8				
Y		3,5,6				
Α	US 5,315,616 A (DeLISLE et al) 24	1-10				
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Furth	er documents are listed in the continuation of Box C	See patent family annex.				
"A" doc	cial categories of cited documents: nument defining the general state of the art which is not considered be of particular relevance	"T" later document published after the inte- date and not in conflict with the appli the principle or theory underlying the	cation but cited to understand			
"L" doc	tier document published on or after the international filing date ument which may throw doubts on priority claim(s) or which is d to establish the publication date of another citation or other	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone	claimed invention cannot be ed to involve an inventive step			
spe	cial reason (as specified) ument referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	step when the document is documents, such combination			
	document published prior to the international filing date but later than *&* document member of the same patent family the priority date claimed		family			
		Date of mailing of the international search report				
19 MARCH 1999		19 APR 1999				
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT		Authorized officer TEMESGHEN GHEBRETINSAE Hyguis Toggin Telephone No. (703) 305 4777				
	. D.C. 20231	Telephone No. (703) 305-4777	" Jogur			
Facsimile No	o. (703) 305-3230	1 elephone 140. (703) 303-4///	. /			